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WHAT IS CLAIMED IS:

- In a data processing system, a method comprising the steps of: creating a migratable storage tree with a storage root key; and creating a non-migratable storage tree with the storage root key, wherein the migrafable storage tree and the non-migratable storage tree are identically structured.
- The method as recited in claim 1, wherein the migratable storage tree and the 2. non-migratable storage tree are created by a trusted computing module in accordance with Trusted Computing Platform Alliance.
- 3. The method as recited in claim 1, wherein the migratable storage tree comprises migratable keys and a user key, wherein the non-migratable storage tree comprises non-migratable keys and a user key.
- 4. The method as recited in claim 1, wherein the non-migratable storage tree will include non-migratable storage keys corresponding to each migratable storage key in the migratable storage tree.
- 5. The method as recited in claim 1, wherein use authorization in the non-migratable storage tree will be identical to use authorization in the migratable storage tree.

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- 6. The method as recited in claim 1, further comprising the steps of: requesting a migratable storage key; and requesting a non-migratable storage key.
- 7. The method as recited in claim 6, wherein the step of requesting a migratable storage key will identify a parent key in the migratable storage tree, and wherein the step of requesting a non-migratable storage key will identify a parent key in the non-migratable storage tree that corresponds to the parent key in the migratable storage tree.
- 8. The method as recited in claim 1, further comprising the step of when a key loading request is made for a migratable storage key, loading a key from the non-migratable storage tree instead of loading a corresponding key from the migratable storage tree.

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	1 .	In a data processing system, a method comprising the steps of:
	2	splitting a request to create a new migratable storage
	3	key with given authentication data and a first parent key into first and second
	4	commands;
e in	5	wherein the first command creates a migratable storage key with the given
P P P	5 6	authentication data and the first parent key; and
	7	wherein the second command requests creating a non-migratable storage key
1	8 9	with the given authentication data and a second parent key which is determined from
## ## ##	9	looking up a key that corresponds to the first parent key in a database.
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:=\ :=\ !	1 2	10. The method recited in claim 9, wherein the migratable storage key and the
	2	non-migratable storage key are associated in a database.
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	1	11. The method recited in claim 9, wherein the non-migratable key is a multi-
	2	prime key.
	1	12. The method recited in claim 9, where the non-migratable key is an elliptic
	2	curve key.
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1	13. The method as recited in claim 9, further comprising the steps of:
2	creating a new migratable signing key with the given authentication data and a
3	third parent key;
4	storing the new migratable signing key with the given authentication data and
5	the third parent key;
6	toring the new migratable signing key with the given authentication data and
7	a fourth parent key where the fourth parent key is a non-migratable key associated
7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	with the third parent key in a database.
 J	14. The method as recited in claim 13, further comprising the steps of:
2	requesting a signature by the new migratable signing key,
3	searching the database for the location of a key blob containing the new
3 4	migratable signing key;
<u> </u>	loading a copy of the new migratable signing key stored in the key blob
6	created with the non-migratable parent key; and
7	signing with the new migratable signing key.
1	15. The method as recited in claim 9, further comprising the steps of:
2	creating a new data stored by means of the first parent key;
3	storing the new data with the first parent key,
4	storing the new data with the second parent key where the second parent key is
5	a non-migratable key associated with the third parent key in a database.

	1	16.\ The method as recited in claim 15, further comprising the steps of:
1	2	requesting data stored by the new migratable storage key;
	3	searching the database for the location of a key blob associated with the nev
	4	migratable storage key;
<u> </u>	5	loading a copy of the key blob created with the non-migratable storage
	6	key; and
	7	decrypting the data.
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
[] :-1	1	17. The method as recited in claim 14, further comprising the steps of:
hof E	2	requesting migration of new migratable signing keys;
	3	searching the database for the location of a key blob associated with a non-
[]	4	migratable parent of the key to be migrated;
Hone Hone		processing the migration.
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- No. In a data processing system, a method comprising the steps of:

 creating a migratable storage tree with a storage root key; and

 creating a non-migratable storage tree with the storage rootkey where the

 migratable storage tree and the non-migratable storage tree are identically structured

 with corresponding keys and authentication data.
- 19. The method as recited in claim 18, wherein the migratable storage tree and the non-migratable storage tree are created by a trusted computing module in accordance with Trusted Computing Platform Alliance.
- 20. The method as recited in claim 19, wherein the migratable storage tree comprises migratable keys and a user key, wherein the non-migratable storage tree comprises non-migratable keys and a user key.
- 21. The method recited in claim 18, wherein the migratable storage tree comprises migratable keys and encrypted user data wherein the non-migratable storage tree comprises non-migratable keys and encrypted user data.
 - 22. The method as recited in claim 18, wherein the non-migratable storage tree will include non-migratable storage keys corresponding to each migratable storage key in the migratable storage tree.

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2	will include non-migratable storage keys corresponding to a subset of the migratable
3	storage keys in the migratable storage tree.
<u>.</u> 1	24. The method as recited in claim 18, wherein use authorization in the non-
2 = 3	migratable storage tree will be identical to use authorization in the migratable storage
3 - 3 - 1 - 1	tree.
1	25. The method as recited in claim 18, wherein use authorization in the non-
2	migratable storage tree can be deduced from user authorization in the migratable
3	storage tree with additional data.
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	26. The method as recited in claim 25, wherein the use authorization in the non-
2	migratable storage tree is obtained by hashing the concatenation of the user
3	authorization in the migratable storage tree with a fixed string.

The method as recited in claim 18, wherein the non-migratable storage tree